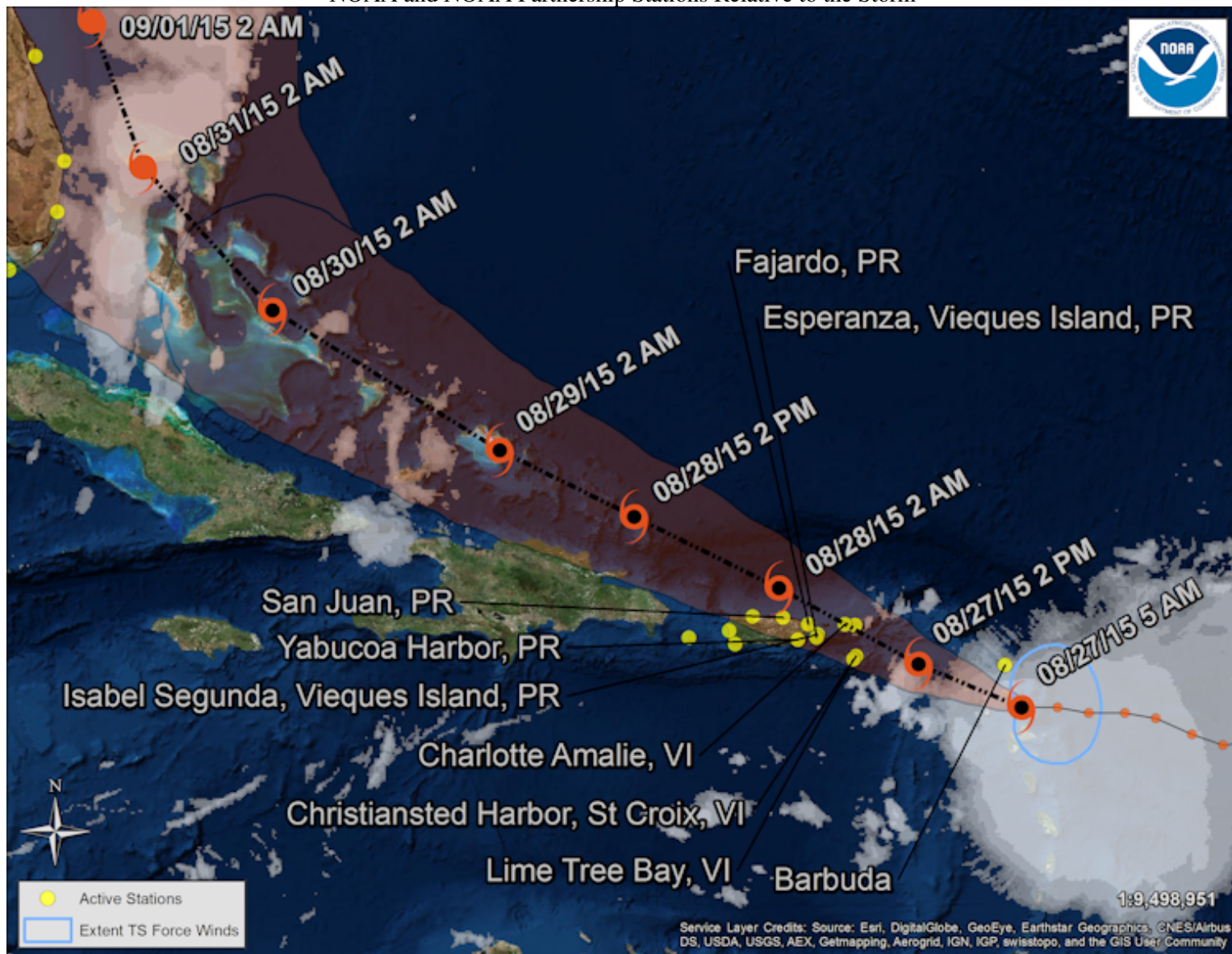


Tropical Storm ERIKA QuickLook  
Posted: 06:00 AST 08/27/2015

NOAA and NOAA Partnership Stations Relative to the Storm



### Storm Analysis

As of 08/27/2015 06:00 AST, water levels in Barbuda are running about .4 ft above predictions. In Puerto Rico and the U.S. Virgin Islands they are just slightly elevated above predictions. Winds are 5 to 15 knots and are slowly increasing across the region. Gusts are currently as high as 15 to 20 knots. Barometric pressure is beginning to decrease.

Tropical Storm ERIKA QuickLook, POSTED 06:00 AST 08/27/2015

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst:ADW

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ERIKA ADVISORY NUMBER 10  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
500 AM AST THU AUG 27 2015

...ERIKA A LITTLE STRONGER...CENTER PASSING BETWEEN GUADELOUPE AND ANTIGUA...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- \* Anguilla
- \* Saba and St. Eustatius
- \* St. Maarten
- \* St. Martin
- \* St. Barthelemy
- \* Montserrat
- \* Antigua and Barbuda
- \* St. Kitts and Nevis
- \* Puerto Rico
- \* Vieques
- \* Culebra
- \* U.S. Virgin Islands
- \* British Virgin Islands

A Tropical Storm Watch is in effect for...

- \* Guadeloupe
- \* North coast of the Dominican Republic from Cabo Engano to Cabo Frances Viejo
- \* Southeastern Bahamas
- \* Turks and Caicos Islands

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, generally within 48 hours.

Interests elsewhere in the Dominican Republic should monitor the progress of Erika.

For storm information specific to your area in the United States, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office. For storm information specific to your area outside the United States, please monitor products issued by your national meteorological service.

## DISCUSSION AND 48-HOUR OUTLOOK

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At 500 AM AST, the center of Tropical Storm Erika was located about 35 MI N of Guadaloupe and about 30 MI SE of Antigua. Erika is moving toward the west near 16 mph. A turn toward the west-northwest is forecast later today, and this general motion should continue for the next 48 hours. On the forecast track, the center of Erika will move near or over portions of the Leeward Islands this morning, move near the Virgin Islands later today, move near or north of Puerto Rico tonight, and pass north of the north coast of the Dominican Republic on Friday.

Maximum sustained winds have increased to near 50 mph with higher gusts. Little change in strength is forecast during the next 48 hours.

Tropical storm force winds extend outward up to 105 miles, mainly to the north and east of the center.

The latest minimum central pressure based on data from a NOAA Hurricane Hunter aircraft is 1003 mb.

## HAZARDS AFFECTING LAND

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WIND: Tropical storm conditions are expected to spread across the warning area in the Leeward Islands this morning, and reach the Virgin Islands later today and Puerto Rico tonight. Tropical storm conditions are possible in the watch area in the Leeward Islands this morning. Tropical storm conditions could reach portions of the watch area in the Dominican Republic on Friday and the southeastern Bahamas, and Turks and the Caicos Islands late Friday and Friday night.

RAINFALL: Erika is expected to produce total rain accumulations of 3 to 5 inches with maximum amounts of 8 inches across portions of the Leeward Islands, the Virgin Islands, Puerto Rico, the Dominican Republic, the Turk and Caicos Islands and the southeast Bahamas through Saturday.

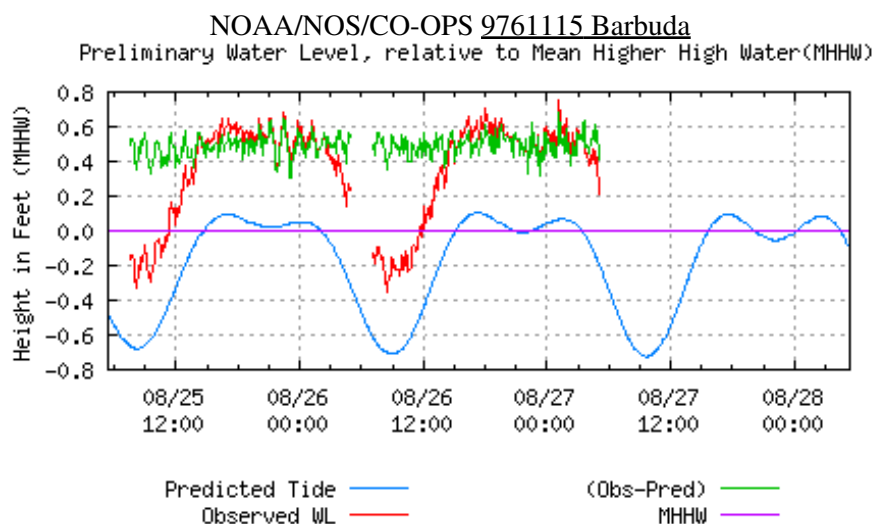
\$\$

Forecaster Brennan

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Barbuda - Water Level](#), [Barbuda - Winds](#), [Barbuda - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Isabel Segunda, Vieques Island - Water Level](#), [Isabel Segunda, Vieques Island - Winds](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Fajardo - Water Level](#), [Fajardo - Winds](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#)

Tropical Storm ERIKA QuickLook, POSTED 06:00 AST 08/27/2015

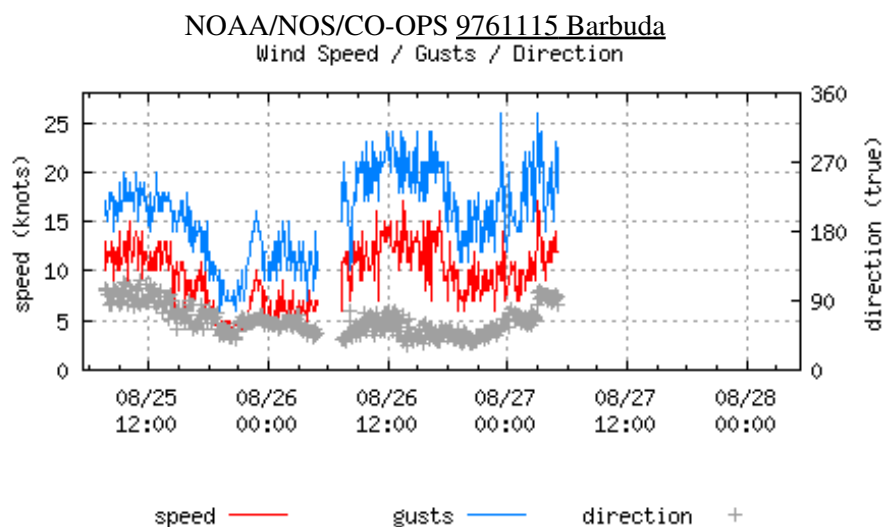


Last Observed Sample: 08/27/2015 05:06 (AST). Data relative to MHHW

Observed: 0.21 ft. Predicted: -0.20 ft. Residual: 0.41 ft.

Historical Maximum Water Level: Aug 23 2012, 1.05 ft.

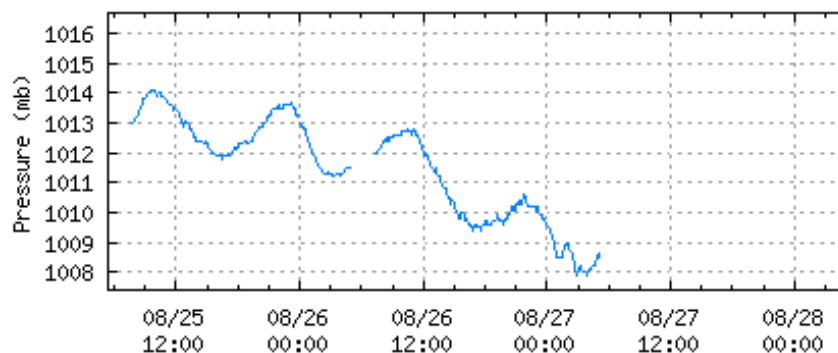
Next High Tide: 08/27/2015 17:36 (AST), 0.09 ft.



Last Observed Sample: 08/27/2015 05:06 (AST)

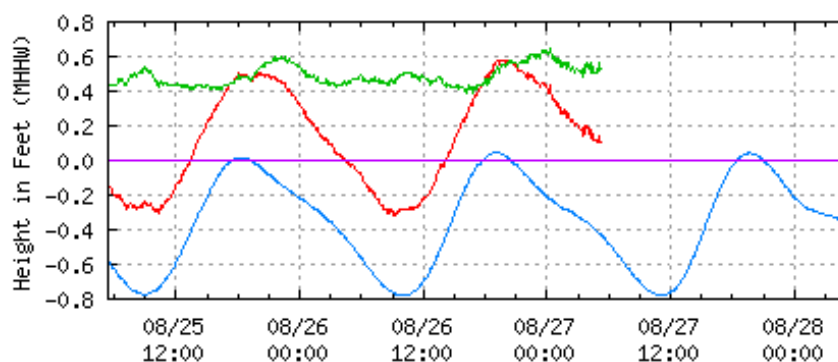
Wind Speed: 12 knots Gusts: 18 knots Direction: 84° T

NOAA/NOS/CO-OPS 9761115 Barbuda  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 08/27/2015 05:06 (AST)  
Barometric Pressure: 1008.5 mb

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

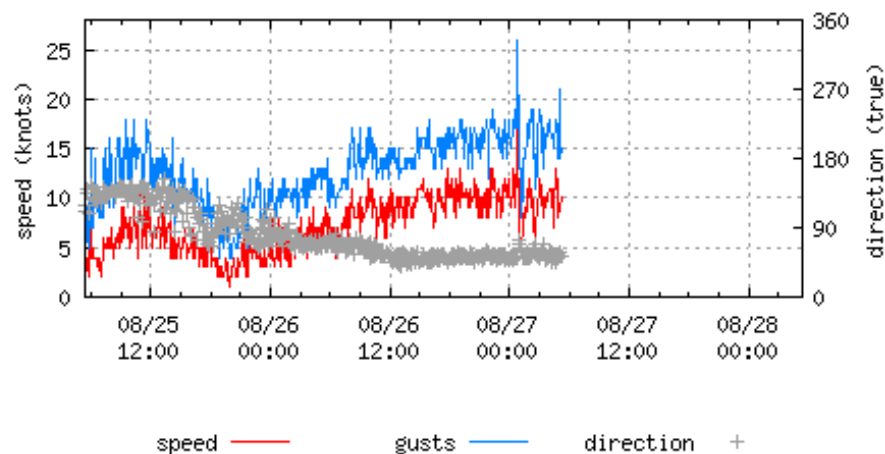


Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/27/2015 05:24 (AST). Data relative to MHHW  
Observed: 0.07 ft. Predicted: -0.44 ft. Residual: 0.51 ft.  
Historical Maximum Water Level: Oct 16 2008, 1.17 ft.  
Next High Tide: 08/27/2015 19:42 (AST), 0.04 ft.

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI

Wind Speed / Gusts / Direction

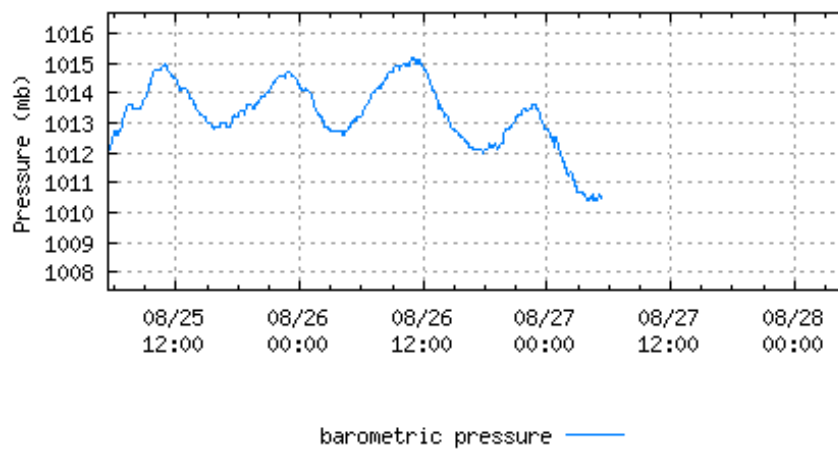


Last Observed Sample: 08/27/2015 05:24 (AST)

Wind Speed: 11 knots Gusts: 16 knots Direction: 54° T

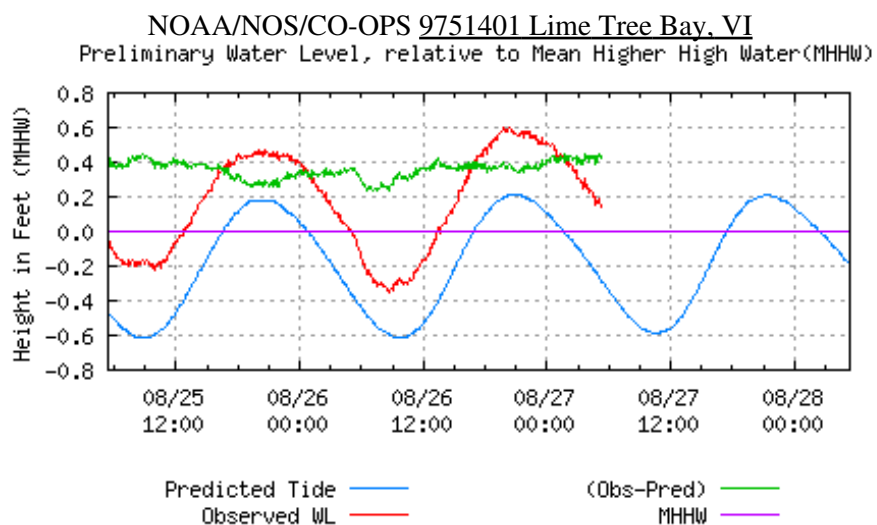
NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI

Barometric Pressure



Last Observed Sample: 08/27/2015 05:24 (AST)

Barometric Pressure: 1010.5 mb

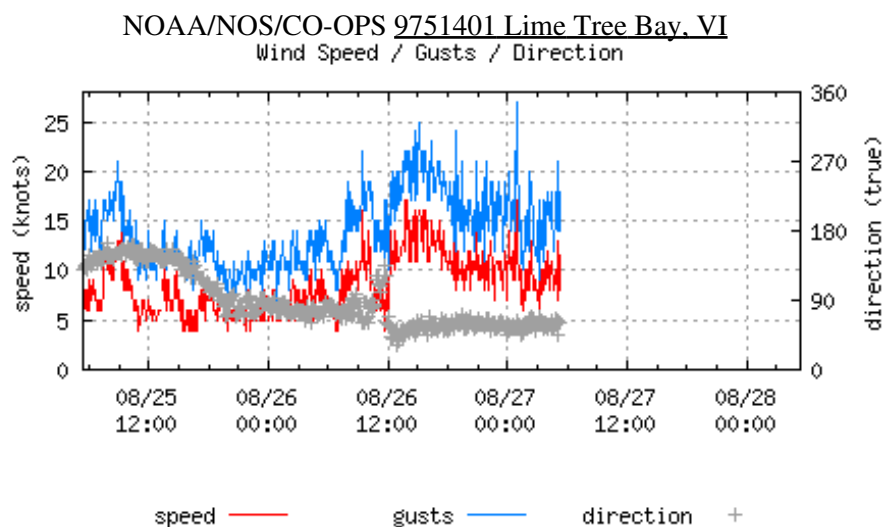


Last Observed Sample: 08/27/2015 05:24 (AST). Data relative to MHHW

Observed: 0.12 ft. Predicted: -0.29 ft. Residual: 0.41 ft.

Historical Maximum Water Level: Nov 17 1999, 1.88 ft.

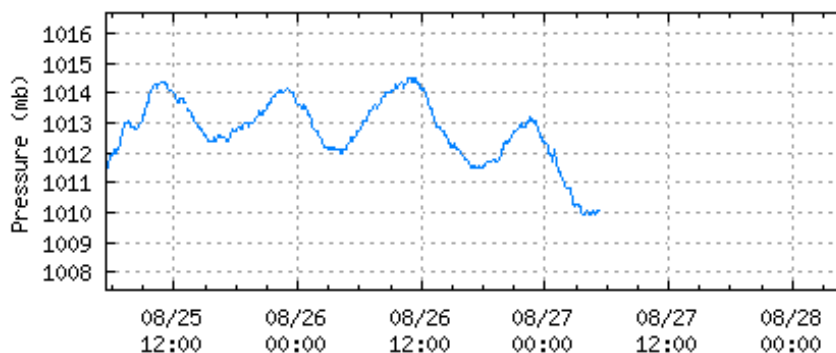
Next High Tide: 08/27/2015 21:19 (AST), 0.21 ft.



Last Observed Sample: 08/27/2015 05:24 (AST)

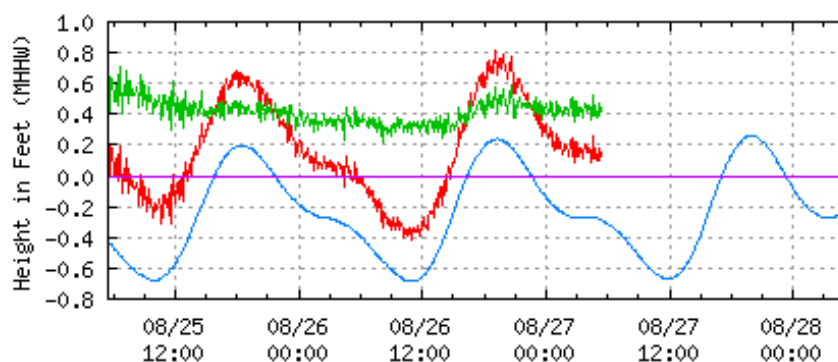
Wind Speed: 8 knots Gusts: 15 knots Direction: 61° T

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 08/27/2015 05:24 (AST)  
Barometric Pressure: 1010.1 mb

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/27/2015 05:24 (AST). Data relative to MHHW

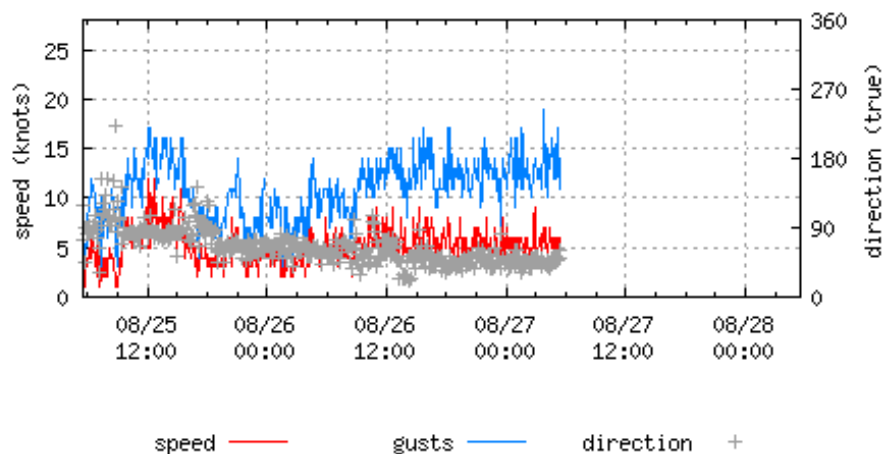
Observed: 0.13 ft. Predicted: -0.29 ft. Residual: 0.42 ft.

Historical Maximum Water Level: Sep 16 1995, 2.93 ft.

Next High Tide: 08/27/2015 19:56 (AST), 0.26 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI

Wind Speed / Gusts / Direction

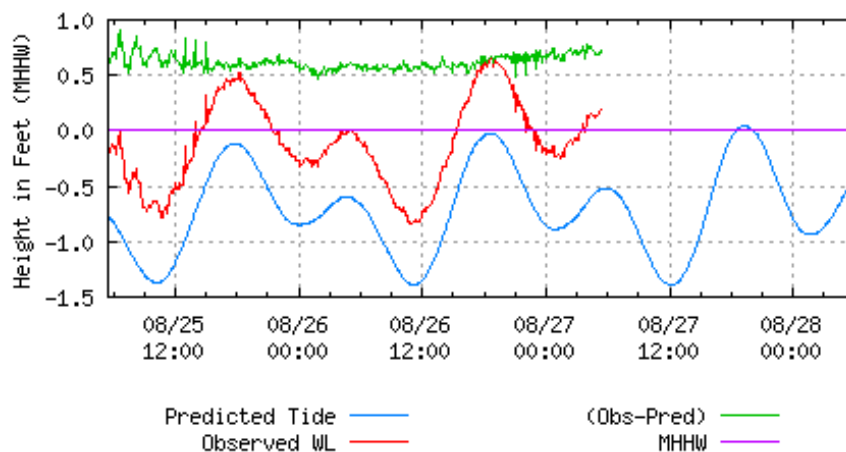


Last Observed Sample: 08/27/2015 05:24 (AST)

Wind Speed: 4 knots Gusts: 14 knots Direction: 62° T

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/27/2015 05:24 (AST). Data relative to MHHW

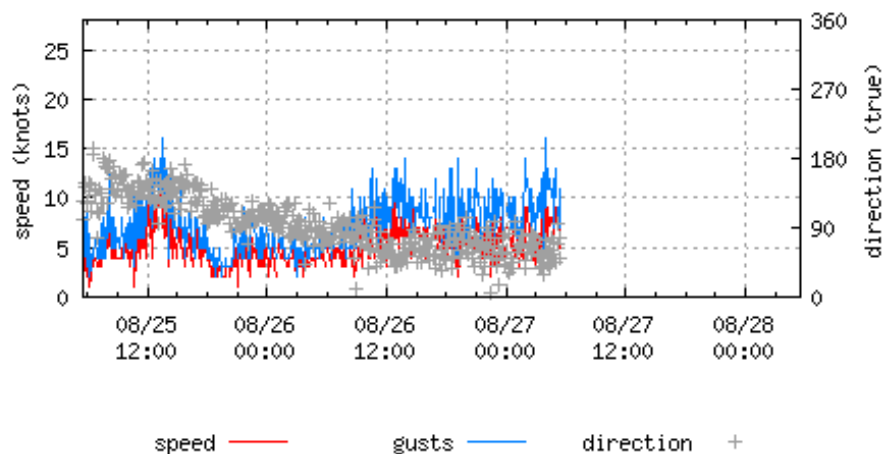
Observed: 0.19 ft. Predicted: -0.52 ft. Residual: 0.71 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2015 05:47 (AST), -0.51 ft.

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR

Wind Speed / Gusts / Direction

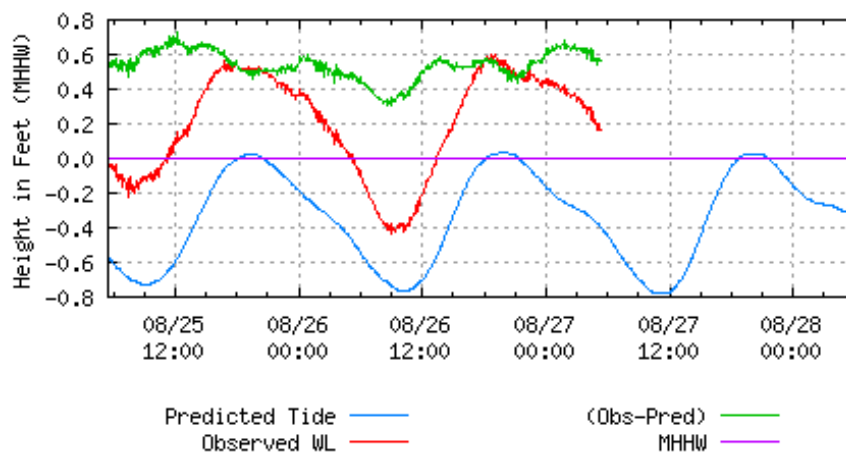


Last Observed Sample: 08/27/2015 05:24 (AST)

Wind Speed: 8 knots Gusts: 11 knots Direction: 77° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



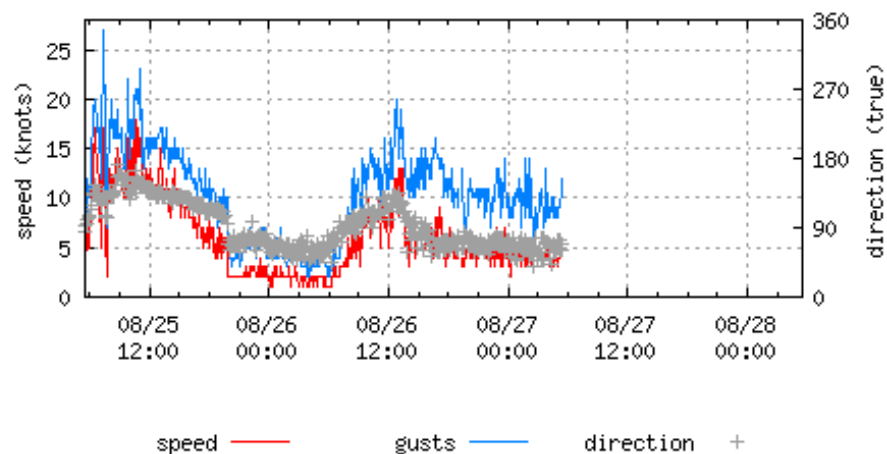
Last Observed Sample: 08/27/2015 05:24 (AST). Data relative to MHHW

Observed: 0.17 ft. Predicted: -0.40 ft. Residual: 0.57 ft.

Historical Maximum Water Level: Aug 22 2011, 0.99 ft.

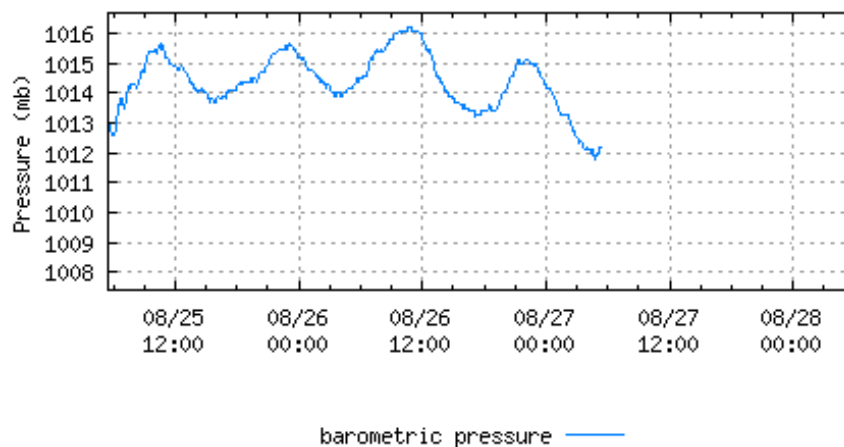
Next High Tide: 08/27/2015 20:08 (AST), 0.03 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR  
Wind Speed / Gusts / Direction

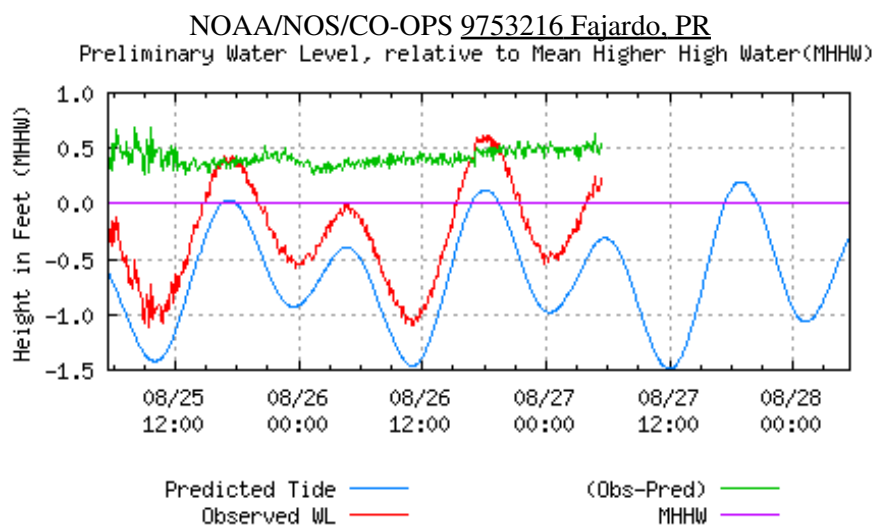


Last Observed Sample: 08/27/2015 05:24 (AST)  
Wind Speed: 6 knots Gusts: 12 knots Direction: 69° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR  
Barometric Pressure



Last Observed Sample: 08/27/2015 05:24 (AST)  
Barometric Pressure: 1012.2 mb

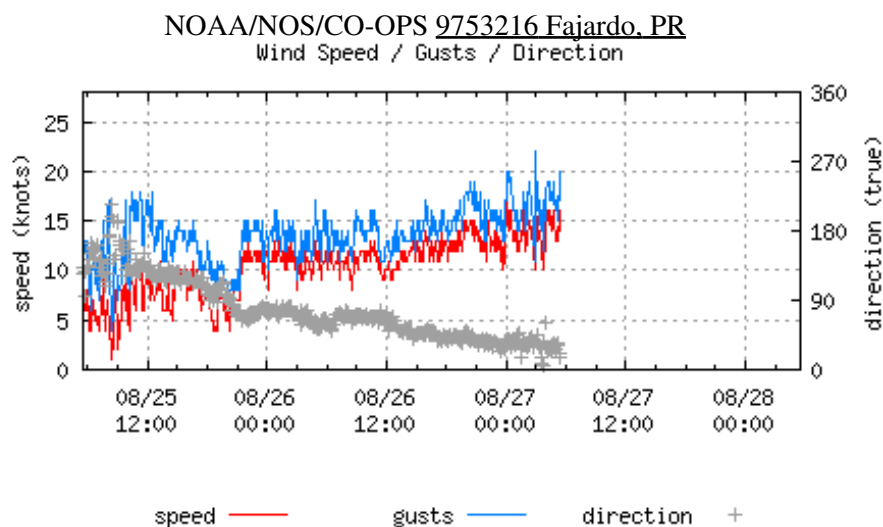


Last Observed Sample: 08/27/2015 05:24 (AST). Data relative to MHHW

Observed: 0.22 ft. Predicted: -0.32 ft. Residual: 0.54 ft.

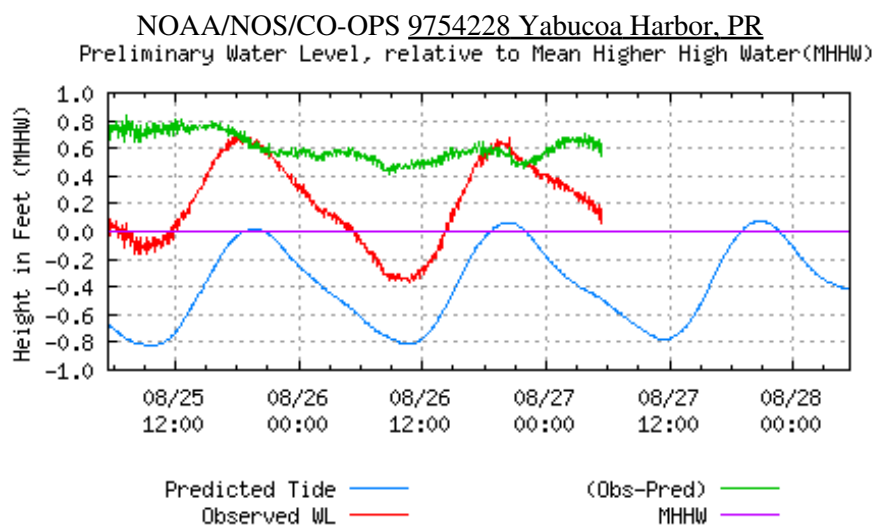
Historical Maximum Water Level: Aug 30 2010, 0.84 ft.

Next High Tide: 08/27/2015 05:43 (AST), -0.31 ft.



Last Observed Sample: 08/27/2015 05:24 (AST)

Wind Speed: 14 knots Gusts: 17 knots Direction: 22° T

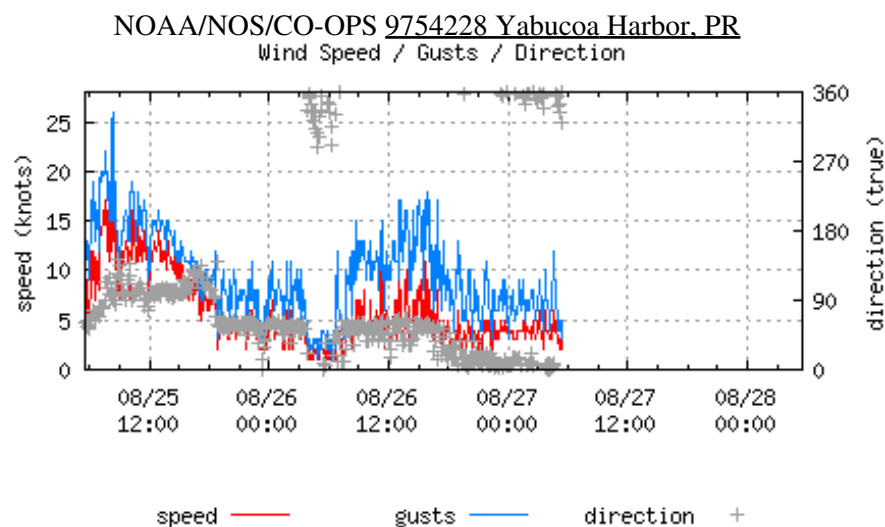


Last Observed Sample: 08/27/2015 05:24 (AST). Data relative to MHHW

Observed: 0.06 ft. Predicted: -0.49 ft. Residual: 0.55 ft.

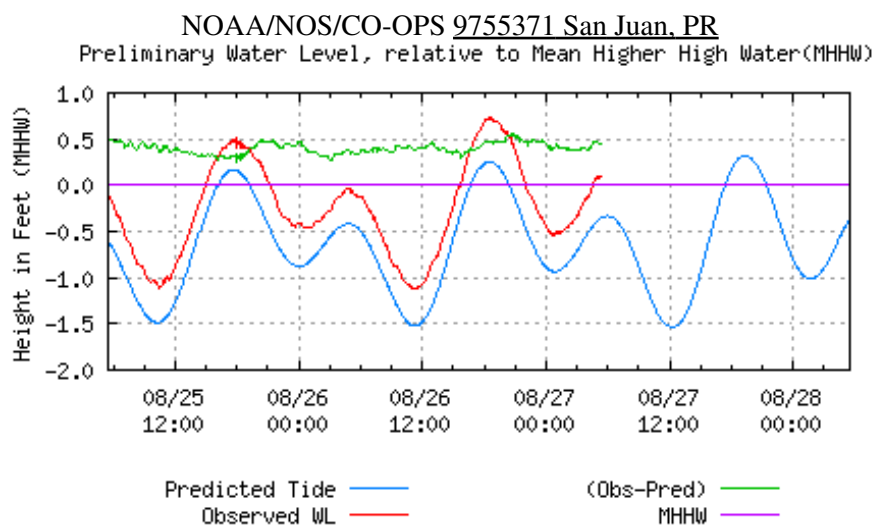
Historical Maximum Water Level: n/a

Next High Tide: 08/27/2015 20:51 (AST), 0.08 ft.



Last Observed Sample: 08/27/2015 05:24 (AST)

Wind Speed: 3 knots Gusts: 5 knots Direction: 360° T

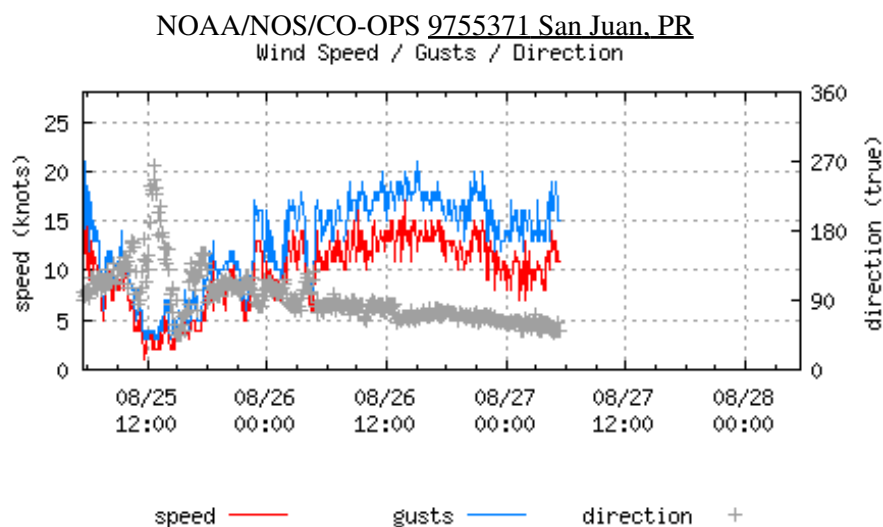


Last Observed Sample: 08/27/2015 05:18 (AST). Data relative to MHHW

Observed: 0.10 ft. Predicted: -0.35 ft. Residual: 0.45 ft.

Historical Maximum Water Level: Sep 18 1989, 2.77 ft.

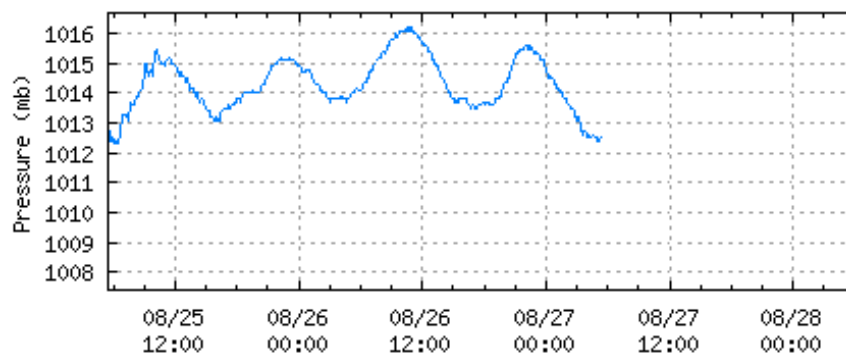
Next High Tide: 08/27/2015 05:56 (AST), -0.33 ft.



Last Observed Sample: 08/27/2015 05:18 (AST)

Wind Speed: 11 knots Gusts: 15 knots Direction: 49° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR  
Barometric Pressure



barometric pressure —

Last Observed Sample: 08/27/2015 05:18 (AST)

Barometric Pressure: 1012.5 mb

Tropical Storm ERIKA QuickLook, POSTED 06:00 AST 08/27/2015

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9761115	Barbuda	08/27/2015 05:06 (AST)	0.21 ft	-0.20 ft	0.41 ft	0.75 ft
9751364	Christiansted Harbor, St Croix, VI	08/27/2015 05:24 (AST)	0.07 ft	-0.44 ft	0.51 ft	0.58 ft
9751401	Lime Tree Bay, VI	08/27/2015 05:24 (AST)	0.12 ft	-0.29 ft	0.41 ft	0.60 ft
9751639	Charlotte Amalie, VI	08/27/2015 05:24 (AST)	0.13 ft	-0.29 ft	0.42 ft	0.81 ft
9752619	Isabel Segunda, Vieques Island, PR	08/27/2015 05:24 (AST)	0.19 ft	-0.52 ft	0.71 ft	0.64 ft
9752695	Esperanza, Vieques Island, PR	08/27/2015 05:24 (AST)	0.17 ft	-0.40 ft	0.57 ft	0.60 ft
9753216	Fajardo, PR	08/27/2015 05:24 (AST)	0.22 ft	-0.32 ft	0.54 ft	0.61 ft
9754228	Yabucoa Harbor, PR	08/27/2015 05:24 (AST)	0.06 ft	-0.49 ft	0.55 ft	0.67 ft
9755371	San Juan, PR	08/27/2015 05:18 (AST)	0.10 ft	-0.35 ft	0.45 ft	0.73 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce